

## Author Index

- Abruña, H.D., see Lorenzo, E. 79
- Adams, F., see Ma, R. 395
- Akama, Y.  
— and Kanno, H.  
Liquid chromatographic separation of polycyclic aromatic hydrocarbons with cerium(IV) oxide as packing material 153
- Alexander, P.W., see Oungpipat, W. 35
- Alonso, A., see García de María, C. 241
- Alsberg, B.K.  
Resolution of hidden minor peaks in multidetection chromatography by estimation of a single parameter in a 2-D transformation matrix 123
- Aucélio, R.Q.  
— and Campiglia, A.D.  
Solid surface room temperature phosphorimetry analysis of yohimbine hydrochloride in pharmaceutical formulations 349
- Bagur, G.  
—, Sánchez-Viñas, M. and Gázquez, D.  
Determination of molybdenum in various materials by normal-phase liquid chromatography using *N*-benzoyl-*N*-phenylhydroxylamine 157
- Bakker, E.  
— and Pretsch, E.  
Lipophilicity of tetraphenylborate derivatives as anionic sites in neutral carrier-based solvent polymeric membranes and lifetime of corresponding ion-selective electrochemical and optical sensors 7
- Batley, G.E., see Wu, Q. 95
- Bellerby, R.G.J.  
—, Turner, D.R., Millward, G.E. and Worsfold, P.J.  
Shipboard flow injection determination of sea water pH with spectrophotometric detection 259
- Beyer, K.  
—, Reinecke, M., Noe, W. and Scheper, T.  
Immunobased elution assay for process control 301
- Brinkman, U.A.Th., see Van de Nesse, R.J. 135
- Burns, D.T.  
— and Lewis, R.J.  
Investigation into variations in the isomer content within the nitroaromatic component in nitroglycerine-based explosives by gas chromatography with flame ionisation detection 189
- Cai, R., see Huang, H. 271
- Calvo, A.M.  
—, Terrón, M.C., Fidalgo, M.L., Pelayo, J.M., Galletti, G.C. and González, A.E.  
Pyrolysis–gas chromatography–mass spectrometry characterization of wheat straw alkaline-cooking effluents after biological treatment with the fungi *Phanerochaete chrysosporium* and *Ganoderma australe* 145
- Cammann, K., see Conrath, N. 47
- Campanella, L.  
—, D'Orazio, D., Petronio, B.M. and Pietrantonio, E.  
Proposal for a metal speciation study in sediments 387
- Campiglia, A.D., see Aucélio, R.Q. 349
- Chen, H.-R., see Sheu, S.-J. 361
- Chi, H., see He, H.-B. 73
- Choi, M.F.  
— and Hawkins, P.  
Investigation of the response of dye–nonaqueous solvent solutions to carbon dioxide 27
- Chow, C.W.K., see Kolev, S.D. 293
- Conrath, N.  
—, Gründig, B., Hüwel, St. and Cammann, K.  
A novel enzyme sensor for the determination of inorganic phosphate 47
- Crouch, S.R., see Hsieh, Y.-S. 251, 277
- Dao, K.L., see Fung, Y.S. 173
- Davey, D.E., see Kolev, S.D. 293
- Degn, H., see Kotiaho, T. 317
- De la Fuente, M.A.  
— and Juárez, M.  
Determination of phosphorus in dairy products by sample wet digestion in a microwave oven 355
- D'Orazio, D., see Campanella, L. 387
- Du, Y., see Huang, H. 271
- Duarte, R., see García de María, C. 241
- Fernández de la Campa, M.R., see Valdés-Hervia y Temprano, M.C. 369
- Fidalgo, M.L., see Calvo, A.M. 145
- Frye, G.C., see Schneider, T.W. 53
- Fung, Y.S.  
— and Dao, K.L.  
Trace enrichment and ion chromatographic determination of metal oxoanions in environmental water samples 173
- Galletti, G.C., see Calvo, A.M. 145
- Gao, Q., see Sun, C. 89

- Gao, Z.-Q., see He, H.-B. 73
- García de María, C.  
—, Manzano, T., Duarte, R. and Alonso, A.  
Selective flow-injection determination of methanol using immobilized enzyme reactors 241
- Gázquez, D., see Bagur, G. 157
- González, A.E., see Calvo, A.M. 145
- Gooijer, C., see Van de Nesse, R.J. 135
- Gopalan, B., see Radha Krishna, G. 333
- Grätzel, M., see König, B. 19
- Gründig, B., see Conrath, N. 47
- Günther, K.  
—, Von Bohlen, A. and Strompen, C.  
Element determination by total-reflection X-ray fluorescence spectrometry at the initial step of element speciation in biological matrices 327
- Haapakka, K., see Kulmala, S. 197
- Hakanen, A., see Kulmala, S. 197
- Hara, S., see Ishida, J. 211
- Hawkins, P., see Choi, M.F. 27
- He, H.-B.  
—, Siow, K.-S., Chi, H., Gao, Z.-Q. and Hsieh, A.-K.  
Determination of molybdenum using polarographic catalytic current 73
- Hernández-Hernández, L., see Molina-Holgado, T. 117
- Hsieh, A.-K., see He, H.-B. 73
- Hsieh, Y.-S.  
— and Crouch, S.R.  
A stopped-flow/continuous-flow method for kinetic determinations 277  
— and Crouch, S.R.  
Determination of enzyme substrates with an extended range of linearity 251
- Huang, H.  
—, Cai, R., Du, Y. and Zeng, Y.  
Flow-injection stopped-flow spectrofluorimetric kinetic determination of total ascorbic acid based on an enzyme-linked coupled reaction 271
- Hüwel, St., see Conrath, N. 47
- Ishida, J.  
—, Takada, M., Hara, S., Sasamoto, K., Kina, K. and Yamaguchi, M.  
Development of a novel chemiluminescent probe, 4-(5',6'-dimethoxybenzothiazolyl)phthalhydrazide 211
- Jiao, K., see Shi, J. 103
- Juárez, M., see De la Fuente, M.A. 355
- Kanno, H., see Akama, Y. 153
- Kina, K., see Ishida, J. 211
- Kinoshita, T., see Kubo, H. 169
- Kolev, S.D.  
—, Chow, C.W.K., Davey, D.E. and Mulcahy, D.E.  
Oscillating flow injection stripping potentiometry 293
- König, B.  
— and Grätzel, M.  
A piezoelectric immunosensor for hepatitis viruses 19
- Kotiaho, T.  
—, Lauritsen, F.R., Degn, H. and Paakkanen, H.  
Membrane inlet ion mobility spectrometry for on-line measurement of ethanol in beer and in yeast fermentation 317
- Kubo, H.  
—, Tsujimura, A., Toriba, A. and Kinoshita, T.  
Ultraviolet detection of peptides by reversed-phase liquid chromatography using an in-line reactor containing copper metal 169
- Kulmala, A., see Kulmala, S. 197
- Kulmala, S.  
—, Hakanen, A., Raerinne, P., Kulmala, A. and Haapakka, K.  
Ruthenium(II) tris-(2,2'-bipyridine)-specific extrinsic luminescences of x-ray irradiation colored and electrolytically colored alkali halides 197
- Kumamaru, T., see Tao, S. 379
- Lauritsen, F.R., see Kotiaho, T. 317
- Lewis, R.J., see Burns, D.T. 189
- Little, M.J.  
— and Wentzell, P.D.  
Evaluation of acoustic emission as a means for carbonate determination 283
- Lorenzo, E.  
—, Sánchez, L., Pariente, F., Tirado, J. and Abruña, H.D.  
Thermodynamics and kinetics of adsorption and electrocatalysis of NADH oxidation with a self-assembling quinone derivative 79
- Ma, R.  
—, Van Mol, W. and Adams, F.  
Flow injection sorbent extraction with dialkylthiophosphates as chelating agent for the determination of zinc by flame atomic absorption spectrometry 395
- Maeda, M., see Sasamoto, H. 221
- Manita, H., see Sasamoto, H. 221
- Manzano, T., see García de María, C. 241
- Martin, S.J., see Schneider, T.W. 53
- Matisová, E.  
— and Škrabáková, S.  
Applicability of a novel carbon sorbent for the preconcentration of volatile chlorinated hydrocarbons 181
- Millward, G.E., see Bellerby, R.G.J. 259
- Miyamae, Y., see Narusawa, Y. 227
- Molina-Holgado, T.  
—, Pinilla-Macías, J.M. and Hernández-Hernández, L.  
Voltammetric determination of lead with a chemically modified carbon paste electrode with diphenylthiocarbazone 117
- Mulcahy, D.E., see Kolev, S.D. 293
- Nakajima, K.  
—, Ohta, K. and Takada, T.  
Study on the vaporisation of sulphur-containing amino acids in a hydrogen flame by use of molecular emission cavity analysis and liquid chromatography 163
- Narusawa, Y.  
— and Miyamae, Y.

- Evidence of axial diffusion accompanied by axial dispersion with zone circulating flow-injection analysis data 227
- Noe, W., see Beyer, K. 301
- Ohta, K., see Nakajima, K. 163
- Okamoto, Y., see Tao, S. 379
- Oungpipat, W.  
—, Alexander, P.W. and Southwell-Keely, P.  
A reagentless amperometric biosensor for hydrogen peroxide determination based on asparagus tissue and ferrocene mediation 35
- Paakkanen, H., see Kotiaho, T. 317
- Pariente, F., see Lorenzo, E. 79
- Pelayo, J.M., see Calvo, A.M. 145
- Petronio, B.M., see Campanella, L. 387
- Pietrantonio, E., see Campanella, L. 387
- Pinilla-Macías, J.M., see Molina-Holgado, T. 117
- Pretsch, E., see Bakker, E. 7
- Pu, Q.-L., see Yang, S.K. 307
- Radha Krishna, G.  
—, Ravindra, H.R., Gopalan, B. and Syamsunder, S.  
Determination of iron in nuclear grade zirconium oxide by x-ray fluorescence spectrometry using an internal intensity reference 333
- Raerinne, P., see Kulmala, S. 197
- Ravindra, H.R., see Radha Krishna, G. 333
- Reinecke, M., see Beyer, K. 301
- Sánchez, L., see Lorenzo, E. 79
- Sánchez-Viñas, M., see Bagur, G. 157
- Sanz-Medel, A., see Valdés-Hevia y Temprano, M.C. 369
- Sasamoto, H.  
—, Maeda, M., Tsuji, A. and Manita, H.  
Highly sensitive immunological assays for human chorionic gonadotrophin and prostatic acid phosphatase using phenacyl phosphate as a chemiluminescent label 221
- Sasamoto, K., see Ishida, J. 211
- Scheper, T., see Beyer, K. 301
- Schneider, T.W.  
—, Frye, G.C., Martin, S.J. and Spates, J.J.  
Investigation of the quartz resonator as an industrial cleaning monitor 53
- Schuster, M., see Unterreitmaier, E. 339
- Sheu, S.-J.  
— and Chen, H.-R.  
Determination of five major anthraquinoids in Chinese herbal preparations by micellar electrokinetic capillary electrophoresis 361
- Shi, J.  
— and Jiao, K.  
Adsorptive complex catalytic polarographic determination of germanium in soils and vegetables 103
- Siow, K.-S., see He, H.-B. 73
- Škrabáková, S., see Matisová, E. 181
- Southwell-Keely, P., see Oungpipat, W. 35
- Spates, J.J., see Schneider, T.W. 53
- Strompen, C., see Günther, K. 327
- Sun, C.  
—, Gao, Q., Xi, J. and Xu, H.  
Determination of germanium(IV) by catalytic cathodic stripping voltammetry 89
- Syamsunder, S., see Radha Krishna, G. 333
- Takada, M., see Ishida, J. 211
- Takada, T., see Nakajima, K. 163
- Tao, S.  
—, Okamoto, Y. and Kumamaru, T.  
Inductively coupled plasma atomic emission spectrometric determination of beryllium in aluminium-based alloys and rock samples by introducing beryllium into the plasma as ethylberyllium species 379
- Terrón, M.C., see Calvo, A.M. 145
- Tirado, J., see Lorenzo, E. 79
- Toriba, A., see Kubo, H. 169
- Tsuji, A., see Sasamoto, H. 221
- Tsujimura, A., see Kubo, H. 169
- Turner, D.R., see Bellerby, R.G.J. 259
- Unterreitmaier, E.  
— and Schuster, M.  
Fluorometric detection of heavy metals with *N*-methyl-*N*-(methylantracene)-*N'*-benzoylthiourea 339
- Valdés-Hevia y Temprano, M.C.  
—, Fernández de la Campa, M.R. and Sanz-Medel, A.  
Comparison of plumbane and tetraethyllead for the determination of lead by inductively coupled plasma atomic emission spectrometry 369
- Van de Nesse, R.J.  
—, Van der Wegen, R.J., Gooijer, C., Brinkman, U.A.Th. and Velthorst, N.H.  
Simultaneous and consecutive two-photon excited fluorescence detection in conventional-size liquid chromatography 135
- Van der Wegen, R.J., see Van de Nesse, R.J. 135
- Van Mol, W., see Ma, R. 395
- Velthorst, N.H., see Van de Nesse, R.J. 135
- Von Bohlen, A., see Günther, K. 327
- Wentzell, P.D., see Little, M.J. 283
- Worsfold, P.J., see Bellerby, R.G.J. 259
- Wu, Q.  
— and Batley, G.E.  
Determination of sub-nanomolar concentrations of lead in sea water by adsorptive stripping voltammetry with xylenol orange 95
- Xi, J., see Sun, C. 89
- Xu, H., see Sun, C. 89
- Yamaguchi, M., see Ishida, J. 211
- Yang, S.K.  
—, Yang, T.J. and Pu, Q.-L.  
Reactions of temazepam in acidic aqueous solution via oxygen-18-labeled product analysis by mass spectrometry 307

Yang, T.J., see Yang, S.K. 307

Yue, G., see Zhang, Y. 63

Zeng, Y., see Huang, H. 271

Zhang, T.-Y.

— and Zhu, S.-M.

On-line electrochemistry-liquid chromatography with UV ab-

sorbance detection for elucidating the electrochemical oxidation mechanism of  $\alpha$ -tocopherol in methanol 111

Zhang, Y.

— and Yue, G.

Study of the enhancement of the boron-beryllon III system by anion surfactant using oscillopolarography 63

Zhu, S.-M., see Zhang, T.-Y. 111

